

7530-00-222-3521  
FEDERAL SUPPLY SERVICE  
(GPO)







Color band abbreviations:

m - metal	BL - black
B - blue	Hp - Hot pink
O - orange	Lp - Light pink
Y - yellow	Bl - light blue
G - Green	
P - <del>pink</del> purple	
D - Dark Green	
N - orange/white	
L - yellow/white	

FGD - Family Group Delaware

FGM - Family Group Maryland

GSNWR - Great Swamp National Wildlife  
Refuge, NJ

Cheesequake - Cheesequake State Park, NJ

29 May 2001 21

band# 1361 - 27201

color: none

State: Delaware BHI-02

gender: ♂

blood: taken

feathers: not taken

Notes: no morphology taken



Date: 29 May 2001

band #: 1361 27202

color band: MBB

State: Delaware - BH1-02

gender: ♀

blood: taken

feathers: not taken

Notes: Morphology not taken



Date: 29 May 2001

band #: 1361 27203

color band: MYB

gender: ♂

State: Delaware BH1-01

blood: taken

feathers: not taken

Notes: morphology not taken



Date: 29 May 2009

band #: 1361 27204

color band: MOB

gender: ♀

State: Delaware - BH1-01

blood: taken - 2 vials

feathers: not taken

Notes: Morphology not taken



Date: 30 May 2001

band #: 1361 27205  
color band: MGB  
gender: ♂  
state: Delaware BH3  
blood: taken - 2 vials  
feathers: taken

bill morphology: L 8.8  
W 4.9  
D 5.7

wing chord: 5.79  
tarsus: 2.55

Notes: Morphology taken by Russ  
wing chord measured with calipers



Date: 30 May 2001

band #: 1361 27206  
color band: MPB  
gender: ♂  
state: Delaware BH3  
blood: taken  
feathers: taken

bill morphology: L 8.2  
W 4.6  
D 5.4

wing chord: 5.64  
tarsus: 2.54

Notes: morphology taken by Russ  
wing chord measured by calipers



Date: 30 May 2001

band #: 1361 27207

color band: MBR

Gender: ♂

State: Delaware BHB

blood: taken

feathers:

bill morphology: L 7.9  
W 4.5  
D 5.8

Wing chord: 5.81

tarsus: ~~22.2~~ 22.2

black crown: 2.99

rust: 1.15

Notes: Morphology taken by Russ  
wing chord measured by calipers



Date: 30 May 2001

band #: 1361 27208

color band: MGW

gender: ♀

State: Delaware BH3-05

blood: taken

feathers: taken

Bill morphology: L: 10.65  
W 5.65  
D 5.9

wing chord: 5.57

tarsus: 21.75

black crown: 24.0

rust: 13.9

Notes: morphology taken by NBH

wing chord measured by calipers



Date: 31 May 2001

band #: 1361 27209

Color band: MPO

gender: ♀

State: Delaware PH-01

blood: taken

feathers: taken

bill morphology: L 10.65  
W 5.5  
D 5.8

Wing Chord: 59.0

tarsus: 22.6

black crown: 27.05

rust: 12.5

wt: 16.0 g

Notes: wing chord taken with ruler

this bird is paired with  
1361 27210 and ~~1361~~ with  
two nestlings 1361 27211 &  
1361 12712, ~~and~~ one unhatched  
egg, and one cowbird nestling.

FGD-1



Date: 31 May 2001

band #: 1361 27210

color band: MDY

gender: ♂

state: Delaware PH-01

blood: taken

feathers: taken

bill morphology: L 9.9  
W 5.85  
D 5.9

Wing Chord: 59.8

tarsus: 21.9

black crown: 19.9

rust: ~~18.5~~

wt: 18.5

Notes: same notes as  
#1361 27209

FGD-1



Date: 31 May 2001

band #: 1361 27211  
color band: mPY  
gender: nestling  
State: Delaware PH-01  
blood: taken  
feathers: —

bill morphology: L 6.7  
W 4.25  
D 3.9

wing chord: 28.8  
tarsus: 19.55  
black crown: —  
rust: —

Notes: in nest with one  
unhatched egg, one other  
C.P. Swamp sparrow, and one  
Cowbird nestling.

FGD-1



Date: 31 May 2001

band #: 1361 27212

color band: MOTD

gender: nestling

state: Delaware PH-01

blood: taken

feathers: —

bill morph: L: 5.8

W: 4.3

D: 4.1

wing chord: 24.4

tarsus: 19.2

black crown: —

rust: —

Notes: Same notes as  
1361 27212

FGD-1



Date: 1 June 2009

band #: 1361 27213

color band: MPD

gender: ♂

State: Delaware BH4-05

blood: taken

feathers: taken

bill morph: L 8.7

W 5.4

D 6.1

wing chord 62.5

tarsus: 21.9

black crown: 24.2

rust: 18.2

wt:

Notes: FGD-2



Date: 1 June 01

band #: 1361 27214

color band: M06

gender: ♀

State: Delaware BH4-05

blood: taken

feathers: taken

bill morph: L: 9

W: 4.9

D: 5.9

wing chord: 58.0

tarsus: 21.7

black crown: 21.0

rust: 14.55

wt: 14.59

Notes: no uniform stripe of  
rust on crown

FGD-2



Date: 1 June 2001

band #: 1361 27215  
color band: MP6  
gender: nestling  
State: Delaware BH 4-05  
blood: taken  
feathers: taken  
bill morph: L 5.0  
                  W 4.5  
                  D 4.0  
wing chord: 21.05  
tarsus: 17.75  
black crown:  
rust:  
Wt: 10g

Notes: FGD-2



Date: 1 June 2001

band #: 1361 27216

color band: MYG

gender: nestling

State: Delaware BH4-05

blood: taken

feathers: taken

bill morphology: L 5.3

W 4.8

D 4.3

wing chord: 21.6

tarsus: 19.4

black crown:

rust:

wt: 10.9

Notes: FGD-2



Date: 1 June 2001

band# : 1361-27217

color band: MYP

gender: nestling

State: Delaware BH4-05

blood: taken

feathers: taken

bill morphology L 4.85  
W 3.65  
D 4.0

wing chord: 24.2

tarsus: 19.4

black crown:

rust:

Wt: 13g

Notes: FGD-2



Date: 1 June 2001

band #: 1361-27218

color band: MND

gender: nestling

state: Delaware BH4-05

blood: taken

feathers: taken

bill morphology L 5.0

W 4.2

D 5.0

wing chord: 22.1

tarsus: 18.35

black crown:

rust:

wt: 11g

Notes: FGD-Z



Date: 1 June 2001

band#: 1361 27219

color band: MLG

gender: nestling

State: Delaware BH4-05

blood: taken

feathers: taken

bill morphology L 4.5

W 4.2

D 3.9

Wing chord: 19.1

tarsus: 17.45

black crown:

rust:

WT: 9g

Notes: EGD-2



Date: 5 June 2001

band #: 1381 27220

color band: -

gender: ♀

State: MD - Garrett County

blood: taken

feathers: taken

bill morphology L 8.6

W 5.1

D 5.5

Wing chord: 61.0

tarsus: 21.7

black crown: 24.0

rust: 24.0

wt:

Notes: to many birds with only  
2 bags to weigh



Date: 5 June 2001

band # 1301 27221

color band: -

gender: ♂

State: MD

blood: taken

feathers: taken

bill morphology L 8.9

W 5.4

D 5.35

wing chord: 65.0

tarsus: 23.7

black crown: 18.9

rust: 14.5

wt: ~~14.5~~

Notes:



Date: 5 June 2009

band#: 1381 27222

color band: -

gender: ♂

stage: MD

blood: taken ~~✓~~

feathers: taken

bill morphology	L	9.2
	W	5.2
	D	5.5

wing chord: 59.0

tarsus: 22.5

black crown: 20.0

rust: 15.75

wt: 17.5

Notes:



Date: 5 June 2001

band #: 1361 27223

color band: -

gender: ♂

stage: m17

blood: taken

feathers: taken

bill morphology L 9.6

W 4.7

D 5.4

wing chord: 62.5

tarsus: 23.2

black crown: 18.4

rust: 14.75

wt: 17.0 g

Notes:



Date: 5 June 2001

band#: 1361 27224

color band: -

gender: ♀

State: MD

blood: taken

feathers: taken

bill morphology L 7.9  
W 5.4  
D 5.5

wing chord: 61.0

tarsus: 21.6

black crown: 12.9

ns+: 15.5

wt+: 19.0

Notes: bill length measured  
twice to confirm small  
size



Date: 5 June 2001

band #: 1361 27225

color band: -

gender: ♂

State: MD

blood: taken

feathers: taken

bill morphology: L 8.8

W 4.8

D 5.5

Wing chord: 61.0

tarsus: 22.3

black crown: 19.0

rust: 14.4

wt: 16.5g

Notes:



Date: 5 June 2001

band # 1361 27226

color band: -

gender: ♂

stage: MD

blood: taken

feathers: taken

bill morphology L 9.2  
W 5.15

D 5.8

wing chord: 59.5

tarsus: 24.3

black crown: 23.0

rust: 17.5

wt: 19.0 g

Notes:



Date: 5 June 2001

band #: 1361 27227

color band: -

gender: ♀

state: MD

blood: taken

feathers: taken

bill morphology: L 9.0

W 4.5

D 5.5

wing chord: 60.0

tarsus: 21.5

black crown: 21.2

rust: 21.2

wt: 17.5 g

Notes: FGM-1



Date: 5 June 2001

band# 1361 27228

color band: M00

gender: ♀

State: MD

blood: taken

feathers: taken

bill morphology L 8.8

W 4.8

D 5.0

wing chord: 59.0

tarsus: 22.0

black crown: 21.3

rust: 13.9

wt: 19.5

Notes: top @ side of bill cracked  
off.  
possibly carrying an egg



Date: 5 June 2001  
band # : 1361 27229  
color band : -  
gender : ♂  
state : MD  
blood : taken  
feathers : taken  
bill morphology L: 7.8  
W: 4.1  
D: 5.5  
wing chord : 70.0  
tarsus : 22.6  
black crown : 21.65  
rust : 12.5  
wt :

Notes: FGM-1



Date: 5 June 2009  
band # : 1361 27230  
color band :  
gender : nestling  
state : md  
blood : taken  
feathers :  
bill morphology L:  
W:  
D:  
wing chord :  
tarsus :  
black crown :  
rust :  
wt :

Notes: FGM-1



Date: 5 June 2001  
band #: 1361 27231  
color band:  
gender: nestling  
state: MD  
blood: taken  
feathers:  
bill morphology L:  
W:  
D:

wing chord:  
tarsus:  
black crown:  
rust:  
wt:

Notes: FBM-1



Date: 5 June 2001

band #: 1361 27232

color band:

gender: nestling

stage: MD

blood: taken

feathers:

bill morphology L:

W:

D:

wing chord:

tarsus:

black crown:

rust:

wt:

Notes: FGM-1



Date: 5 June 2001  
band #: 1361 27233  
color band:

gender: nestling

stage: MD

blood: taken

feathers:

bill morphology: L

W

D

wing chord:

tarsus:

black crown:

rust:

wt:

Notes: FGM-1



Date: 6 June 2001

band #: 1381 27234

color band: -

gender: ♀

State: PA Erie NWR.

blood: taken

feathers: taken

bill morphology L: 8.6

W: 4.2

D: 5.1

wing chord: 56.0

tarsus: 22.55

black crown: 17.7

rust: 7.4

wt: 18.0

Notes: has nest w/ 3 eggs



Date: 6 June 2001

band #: 1361 27235

color band: -

gender: ♂

State: PA Erie NWR

blood: taken

feathers: taken

bill morphology L 9.9

W 4.2

D 5.5

wing chord: 64.0

tarsus: 21.8

black crown: 19.1

rust: 11.15

wt: 20g

Notes:



Date: 6 June 2001

band# 13 ~~1~~ 27236  
color bander -  
gender: ♂  
state: PA Erie NWR  
blood: taken  
feathers: taken  
bill morphology: L: 9.0  
                                    Wi: 4.3  
                                    Di: 5.2  
wing chord: 59.0  
tarsus: 22.8  
black crown: 19.7  
            rust: 13.9  
            wt: 19.5 g

Notes:



Date: 6 June 2001

band #: 1361 27237

color band: -

gender: ♀

State: PA - Erie NWR

blood: taken

feathers: taken

bill morphology L 7.7

W 4.8

D 5.35

wing chord: 57.0

Tarsus: 21.7

black crown: 17.3

rust: 17.3

wt: 16.0g

Notes:



Date: 6 June 2001

band #: 1381 27238

color band: -

gender: ♀

State: PA Erie NWR

blood: taken

feathers: taken

bill morphology: L: 8.5

W: 4.3

D: 4.9

wing chord: 57.5

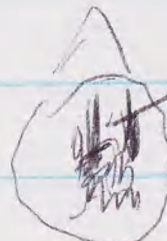
tarsus: 21.3

black crown: 15.35

rust: 15.35 class 2?

WT: 15.5 g

Notes: parasite under skin  
on crown

 grey center 2/3 back



Date: 6 June 2001

band # 1361 27239

color band: -

gender: ♀

State: PA Erie NWR

blood: taken

feathers: taken

bill morphology L: 8.8

W: 4.2

D: 5.0

Wing chord: 56.0

tarsus: 21.5

black crown: 17.0

rust: 10.0

wt: 15.5g

Notes:



Date: 7 June 2001

band #: 1381 27240

color band: -

gender: ♀

State: PA Erie NWR

blood: taken

feathers: taken

bill morphology L: 7.7

W: 4.4

D: 5.0

wing chord: 59.0

tarsus: 22.1

black crown: 18.6

rust: 18.6

wt: 17.0g

Notes:



Date: 7 June 2001

band #: 1361 27241

color band: -

gender: ♂

State: PA Erie MWR

blood: taken

feathers: taken

bill morphology L: 9.0

W: 4.4

D: 4.9

wing chord: 62.0

tarsus: 22.5

black crown: 17.9

rust: 14.5

wt: 16.5

Notes:



Date: 7 June 2001

band #: 1381 27242

Color band: -

gender: ♂

state: PA Erie NWR

blood: taken

feathers: taken

bill morphology L: 8.3

W: 4.5

D: 4.9

wing chord: 68.0

tarsus: 22.7

black crown: 18.3

rust: 12.3

wt: 16.5g

Notes: large wing chord  
measured twice



Date: 7 June 2001  
band #: 1361 27243  
color band: -  
gender: ♀  
state: PA Erie NWR  
blood: taken  
feathers: taken  
bill morphology L 9.0  
W 4.2  
D 5.1  
wing chord: 59.0  
tarsus: 21.55  
black crown: 13.0  
rust: 13.0  
wt: 16.0

Notes:



Date: 11 June 2001

band # 1361 27244

color band: -

gender: ♂

State: NJ - Newton

blood: taken

feathers: taken

bill morphology L: 8.2

W: 4.4

D: 4.8

wing chord: 61.0

tarsus: 21.1

black crown: 16-3

rust: 10.05

wt: 17.0 g

Notes:



Date: 11 June 2001

band #: 1361 27245

Color band -

gender: ♀

State: NJ-Newton

blood: taken

feathers: taken

bill morphology L: 8.3  
W: 4.1

Di: 5.0

wing chord: 57.0

tarsus: 22.0

black crown: 20.05

rust: 6.2

wt: 18.5

tail: 56.5

Notes:



Date: 11 June 2001

band #: 1361 27246

Color band: -

gender: ♂

State: NJ-Newton

blood: taken

feathers: taken

bill morphology L: 9.15

Wi: 4.2

Di: 5.2

wing chord: 61.5

tarsus: 21.9

black crown: 18.7

rust: 10.3

wt: 19.5

tail: 60.0

Notes:



Date: 11 June 2001

band #: 1341 27247

color band: -

gender: ♂

State: NJ - Newton

blood: taken

feathers: taken

bill morphology L: 8.6

W: 4.2

17.51

wing chord: 64.0

tarsus: 22.6

black crown: 18.7

rust: 11.7

wt: 18.09

tail: 61.5

Notes: Paired w/ 1361  
27248



Date: 11 June 2001

band #: 1361 27248

color band: -

gender: ♀

State: NJ - Newton

blood: taken

feathers: taken

bill morphology L: 8.3

W: 4.3

D: 5.0

wing chord: 61.0

tarsus: 21.9

black crown: 18.1

rust: 11.5

wt: ~~17.5~~ 17.5g

tail: 61.0

Notes: paired with 1361  
27247



Date: 12 June 2001

band #: 1361 27249

color band: -

gender: ♀

State: NJ - Newton

blood: taken

feathers: taken

bill morphology L: 8.5

W: 4.1

D: 5.0

wing chord: 56.5

tarsus: 20.9

black crown: 14.0

rust: 7.6

wt: 18.0

tail: 53.0

Notes: only 5 tail feathers



Date: 12 June 2001

band #: 1361 27250

color band: -

gender: ♂

State: NJ-Newton

blood: taken

feathers: taken

bill morphology L: 8.35

W: 4.3

D: 5.3

Wing chord: 60

Tarsus: 21.45

black crown: 16.7

rust: 7.6

wt: 19.0

tail: 59.0

Notes:



Date: 12 June 2001

band #: 1361 27251

color band: -

gender: ♀

state: NJ - Newton.

blood: taken

feathers: taken

bill morphology L: 8.6

W: 4.3

D: 5.4

wing chord: 59.0

tarsus: 22.35

black crown: 17.5

rust: 17.5

wt: 16.0

tail: 55.0

Notes:



Date: 12 June 2001

band #: 1361 27252

color band: —

gender: Juv

State: NJ - Newton

blood: taken

feathers: taken

bill morphology: L 7.1

W 4.1

D 5.0

wing chord: 58.0

tarsus: 21.2

black crown: 17.5

rust: —

wt: 19.5

tail: 38

Notes: Juvenile, seemed healthy enough to be out of nest for nearly a week



Date: 12 June 2001

band #: 1361 24253

color band: -

gender: ♂

State: NJ - Newton

blood: taken

feathers: taken

bill morphology L 9.0  
W 4.2

D 5.3  
wing chord: 63.0

tarsus: 21.55

black crown: 23.0

rust: 15.1

wt: 19.0

tail: 68.0

Notes:



Date: 14 June 2001

band #: 1361 27254

color band: —

gender: ♂

State: NJ - close quarters

blood: taken

feathers: taken

bill morphology: L 8.6

W 4.4

D 5.45

wing chord: 62.0

tarsus: 22.8

black crown: 17.4

rust: 10.5

wt: 19.5

tail: 59.0

Notes: Photos 1-4, disk 1



Date: 14 June 2001

band #: 1361 27255

color band: -

gender: ♀

state: NY - cheesequake

blood: taken

feathers: taken

bill morphology L: 8.5

W: 4.5

D: 5.3

wing chord: 60.05

tarsus: 22.8

black crown: 22.0

rust: 14.9

wt: 19.5

tail: 57.5

Notes: photos 5-7, disk 1



Date: 14 June 2001

band#: 1361 27256

color band:

gender ♂

State: NJ - Cheesequake

blood: taken

feathers: taken

bill morphology L 9.3

W 4.6

D 5.8

wing chord: 62.5

tarsus: 23.3

black crown: 20.05

rust: 12.1

~~tail~~ wt: 19.0

tail: 62.0

Notes: infected (E) leg - possible  
pox-influenced tarsus  
measurement - chest and  
wings very grey, photos 8, Disk 1  
1, Disk 2



Date: 14 June 2001

band #: 1361 27257

color band:

gender: ♂

State: NJ - Cheesequake

blood: taken

feathers: taken

bill morphology L: 8.65

W: 4.4

D: 5.8

wing chord: 60.0

Tarsus: 22.5

black crown: 15.55

rust: 8.5

wt: 17.0

tail: 55.5

Notes: photos 2-4, disk 2



Date: 15 June 2001

band #: 1361 27258

color band: 0

gender: ♀

State: NJ - Cheesequake

blood: taken

feathers: taken

bill morphology L: 9.3

W: 4.5

D: 5.5

Wing chord: 63.0

Tarsus: 22.9

Black crown: 22.65

rust: 11.6

wt: 20.0g

tail: 56.5

Notes: photos 5-6, disk 2



Date: 18 June 2001

band #: 1361 27259

color band: -

gender: ♂

state: NJ - GSNWR

blood: taken, 2 vials

feathers: taken

bill morphology L: 8.8

W: 4.4

D: 5.6

wing chord: 62.5

tarsus: 23.3

black crown: 19.8

rust: 11.7

wt: 19.0

tail: 59.5

Notes: Photos 7, Disk 2  
1, Disk 3



Date: 18 June 2001

band #: 1361 27260

color band: -

gender: ♂

State: NJ-GSNWR

blood: taken

feathers: taken

bill morphology L 8.9

W 4.3

D 5.3

wing chord: 61.0

tarsus: 22.4

black crown: 19.8

rust: 12.2

wt: 19.5

tail: 55.0

Notes: Photos 24, Disk 3



Date: 18 June 2001

band #: 1361 27261

color band:

gender: ♂

State: NJ-GSNWR

blood: taken

feathers: taken

bill morphology: L: 8.75

W: 4.4

D: 5.9

wing chord: 63.5

tarsus: 22.8

black crown: 20.0

rust: 13.9

lot: 19.5

tail: 60.0

Notes: Photos 5 →, disk 3



Date: 19 June 2001

band #: 1361 27262

color band:

gender: ♂

State: NJ GS NWR

blood: taken

feathers: taken

bill morphology: L: 9.2

W: 4.3

D: 5.1

wing chord: 60.0

tarsus: 23.0

black crown: 19.15

rust: 14.2

wt: 17.5

tail: 57.0

Notes: Photos 1-2, disk 4



Date: 19 June 2001

band #: 1361 27263

color band: -

gender: ♂

state: NJ GSNWR

blood: taken

feathers: taken

bill morphology L 8.8

W 4.7

D 5.7

wing chord: 60.0

tarsus: 22.9

black crown: 18.35

rust: 11.05

wt: 20.0

tail: 57.5

Notes: Photos 3-4, disk 4



Date: 19 June 2001

band #: 1361 27264

color band: ~

gender: ♂

State: NJ GSNWR

blood: taken, 2 vials

feathers: taken

bill morphology L 9.4

W 4.4

D 5.4

wing chord: 63.5

tarsus: 22.85

black crown: 22.5

rust: 16.7

wt: 17.0

+ tail: 62.5

Notes: Photos 5-6, disk 4



Date: 19 June 2001

band #: 1361 27265

color band: -

gender: juvenile

State: NJGSMWR

blood: taken

teathers: taken

bill morphology L: 8.4

W: 4.6

D: 5.7

wing chord: 59.0

tarsus: 23.5

black crown: 20.8

rust: -

wt: 17.0

tail: 53.0

Notes: Photos 7-8, disk 4



Date: 19 June 2001

band #: 1361 27264

color band 2 -

gender: ♀

state: NJGSUWR

blood: taken 2 vials

feathers: taken

bill morphology L: 8.5

W: 4.2

D: 5.4

wing chord: 58.0

tarsus: 22.3

black crown: 19.5

rust: 19.5

wt: 17.0

tail: 59.0

Notes: photos 9-10, disk 4



Date: 19 June 2001

band #: 1361 27267

color band: -

gender: ♀

State: NJ GSNWR

blood: taken, 2 vials

feathers: taken

bill morphology L: 8.6

W: 4.2

D: 5.5

wing chord: 56.5

tarsus: 21.5

black crown: 18.55

rust: 18.55

wt: 15.0

tail: 53.0

Notes:



Date: 19 June 2001

band #: 1361 27268

color band: -

gender: ♂ ~~♀~~

State: NJGSNWR

blood: taken, 2 vials

feathers: taken

bill morphology L: 8.3

W: 4.65

D: 5.4

wing chord: 60.0

tarsus: 22.7

black crown: 14.7

rust: 11.4

wt: 17.5

tail: 55.0

Notes:



Date: 21 June 2001

band #: 1361 27269

color band: -

gender: ♂

State: NJ-meadowlands

blood: taken

feathers: taken

bill morphology L: 8.5

W: 4.6

D: 5.5

wing chord: 61.5

tarsus: 22.5

black crown: 18.5

rust: 12.0

wt: 18.5

tail: 59.5

Notes: Photos 11, 12 disk 4



Date: 21 June 2001

band #: 1361 27270

color band: -

gender: ♀

State: NJ - meadowlands

blood: taken

feathers: taken

bill morphology L: 8.9

W: 4.5

D: 5.4

wing chord: 59.0

tarsus: 20.7

black crown: 16.4

rust: 7.9

wt: 16.5

tail: 59.0

Notes: photos 1, 2 disk 5



Date: 21 June 2001

band #: 1361 27271

color band: -

gender: ♂

State: NJ-meadowlands

blood: taken

feathers: taken

bill morphology: L: 8.0

W: 4.5

D: 5.9

Wing chord: 61.0

Tarsus: 21.7

black crown: 15.1

rust: 10.2

wt: 19.0

tail: 60.0

Notes: photos 3, 4 disk 5



Date: 21 June 2001

band#: 001

color band: -

gender: ♂

State: NJ Meadowlands

blood: taken

feathers: taken

bill morphology L: 9.0

W: 4.7

D: 5.9

wing chord: 62.0

tarsus: 21.4

black crown: 19.0

rust: 13.1

wt: 17.0

tail: 61.0

Notes: photos 5-6, disk 5



Date: 21 June 2001

band #: 002

color band: -

gender: ♂

state: NJ - meadowlands

blood: taken - 2 vials

feathers: taken

bill morphology L: 9.2

W: 4.9

D: 5.5

wing chord: 62.0

tarsus: 21.8

black crown: 23.1

rust: 16.2

wt: 17.5

tail: 58.0

Notes: photos 7-8, disk 5



Date: 21 June 2001

band #: 003

color band: -

gender: ♀

state: NJ - meadowlands

blood: taken

feathers: taken

bill morphology Li: 8.5

Wi: 4.8

Di: 5.4

wing chord: 58.0

tarsus: 20.6

black crown: 24.0

rust: 17.5

wt: 17.0

tail: 57.0

Notes: photos 9-10, disk 5



Date: 22 June 2001

band #: 004

color band. -

gender: 0 →

State: NJ - GSNWR

blood: taken

feathers: taken

bill morphology L: 9.0  
W: 5.2  
D: 5.5

wing chord: 59.0

tarsus: 22.2

black crown: 22.8

rust: 16.0

wt: 17.2

tail: 57.0

Notes: photo 1, disk 1  
crown cut before photo



Date: 22 June 2001

band #: 005

color band: -

gender: ♂

State: NJ-GSNWR

blood: taken

feathers: taken

bill morphology L: 8.6  
W: 4.2  
D: 5.7

wing chord: 61.0

tarsus: 22.45

black crown: 17.6

rust: 11.8

wt: 17.0

tail: 54.0

Notes: Photos 11-12, disk 5



Date: 22 June 2001

band #: 006

color band: -

gender: Juvenile

State: NJ-GSNWR

blood: taken

feathers: -

bill morphology L: 6.8  
W: 4.6  
D: 5.3

wing chord: 59.5

tarsus: 20.0

black crown: -

rust: -

wt: 16.7

tail: 52.0

Notes:



Date: 22 June 2001

band#: 007

color band: -

gender: ♂

stage: NJ-GSNWR

blood: taken

feathers: taken

bill morphology L: 8.45

W: 4.7

D: 5.6

wing chord: 59.0

tarsus: 21.0

black crown: 20.0

rust: 15.4

wt: 17.5

tail: 58.0

Notes: photos 2-3, disk 6



Date: 22 June 2001

band #: 008

color band: -

gender: ♀

State: NJ-GSNWR

blood: taken

feathers: taken

bill morphology L: 8.9

W: 4.5

D: 5.4

wing chord: 58.0

tarsus: 21.3

black crown: 18.5

rust: -

wt: 18.5

tail: 54.0

Notes: photos 4-5, disk 6



Date: 26 June 2001

band #: 1361 27272

color band: MB ~~HP~~ LP

gender: ♂

State: Del - Woodland Beach office grid

blood: taken

feathers: taken

bill morphology L: 9.15

W: 4.6

D: 5.8

wing chord: 62.0

tarsus: 22.3

black crown: 17.6

rust: 10.6

wt: 18.0

tail: 57.5

Notes: photos 1-2, disk 7  
paired with 1361 27272



Date: 26 June 2001

band #: 1361 27273

color band: MWLPB

gender: ♀

State: Del - Woodland Park office grid

blood: take

feathers: taken

bill morphology L: 8.9

W: 4.5

D: 5.0

wing chord: 54.0

tarsus: 21.9

black crown: 20.2

rust: 20.2

wt: 17.0

tail: 51.0

Notes: paired with 136127272  
photos 3-4



Date: 26 June 2001

band #: 1361 27274

color band:

gender: ♀

stage: DE1-BH3-07

blood: taken

feathers: taken

bill morphology L: 8.6

W: 4.3

D: 5.25

wing chord: 56.5

tarsus: 21.8

black crown: 19.1

rust: -

wt: 16.5

tail: 55.0

Notes: photos 5-6, disk 7  
FGD-3



Date: 26 June 2001

band #: 1361 27275

color band:

gender: ♂

State: Del-BH3-07

blood: taken

feathers: taken

bill morphology L: 8.75

W: 4.3

D: 5.4

wing chord: 64.0

tarsus: 22.3

black crown: 18.9

rust: 12.5

wt: 18.3

tail: 62.0

Notes: photo 7, disk 7

FGD-3



Date: 26 June 2001

band#: 1361 24276 on (R)

color band:

gender: ♂

State: Del BH3

blood: taken

feathers: taken

bill morphology L: 8.8

W: 4.7

D: 6.2

wing chord: 62.0

tarsus: 24.35

black crown: 24.4

rust: 19.6

wt: 18.0

tail: 59.0

Notes:



Date: 26 June 2001

band #: 1361 27277

color band:

gender: nestling

State: Del-BH3-07

blood: taken

feathers:

bill morphology L:

W:

D:

wing chord:

tarsus:

black crown:

rust:

wt:

tail:

Notes: FGD-3



Date: 26 June 2001

band #: 1361 27278

color band:

gender: nestling

stage: Del-BH3-07

blood: taken

feathers:

bill morphology L:  
W:  
D:

wing chord:

tarsus:

black crown:

rust:

wt:

tail:

Notes: FGD-3



Date: 27 June 2001

band #: 1361 27279

color band: -

gender: ♀

State: Del - PM-1-20

blood: taken

feathers: taken

bill morphology L: 8.6

W: 4.4

D: 5.8

Wing chord: 59.5

tarsus: 21.75

Black crown: 20.35

rust: -

wt: 18.0

tail: 56.0

Notes: photos 1, 2 disk 8

FGD-4



Date: 27 June 2001

band #: 1361 27280

color band: -

gender: ♂

stage: Del-PM-1-20

blood: taken

feathers: taken

bill morphology L: 9.2  
W: 4.7  
D: 5.9

wing chord: 61.0

tarsus: 22.9

black crown: 21.3

rust: 17.3

wt: 18.8

tail: 59.0

Notes: definite ♂ with large CP  
and brood patch  
photos 3-4 disk 8  
FGD-4



Date: 27 June 2001

band #: 1361 27281

color band: -

gender: nestling

state: Del-PM-1-20

blood: taken

feathers:

bill morphology L:

W:

D:

wing chord:

+ tarsus:

black crown:

rust:

wt:

+ tail:

Notes: FGD-4



Date: 27 June 2001

band #: 1361 27282

Color band: -

gender: nestling

State: Del-PM-1-20

blood: taken

feathers:

bill morphology: L

W

D

wing chord:

+tarsus:

black crown:

rust:

not:

+tail:

Notes: FGD-4



Date: 27 June 2001

band #: 1361 27283 on (R)

color band: -

gender: ♂

stage: Del - PM-1

blood: taken

feathers: taken

bill morphology L: 8.6

W: 4.6

D: 6.0

wing chord: 61.0

tarsus: 23.8

black crown: 22.1

rust: 15.2

wt: 18.75

tail: 56.0

Notes: photos 1-2 disk 9



Date: 27 June 2001

band #: 1361 27284

Colorband: -

gender: ♂

State: Del - PM-1-16

blood: taken

feathers: taken

bill morphology L: 8.7

W: 4.55

Di: 6.2

wing chord: 60.0

tarsus: 23.1

black crown: 20.85

rust: 15.4

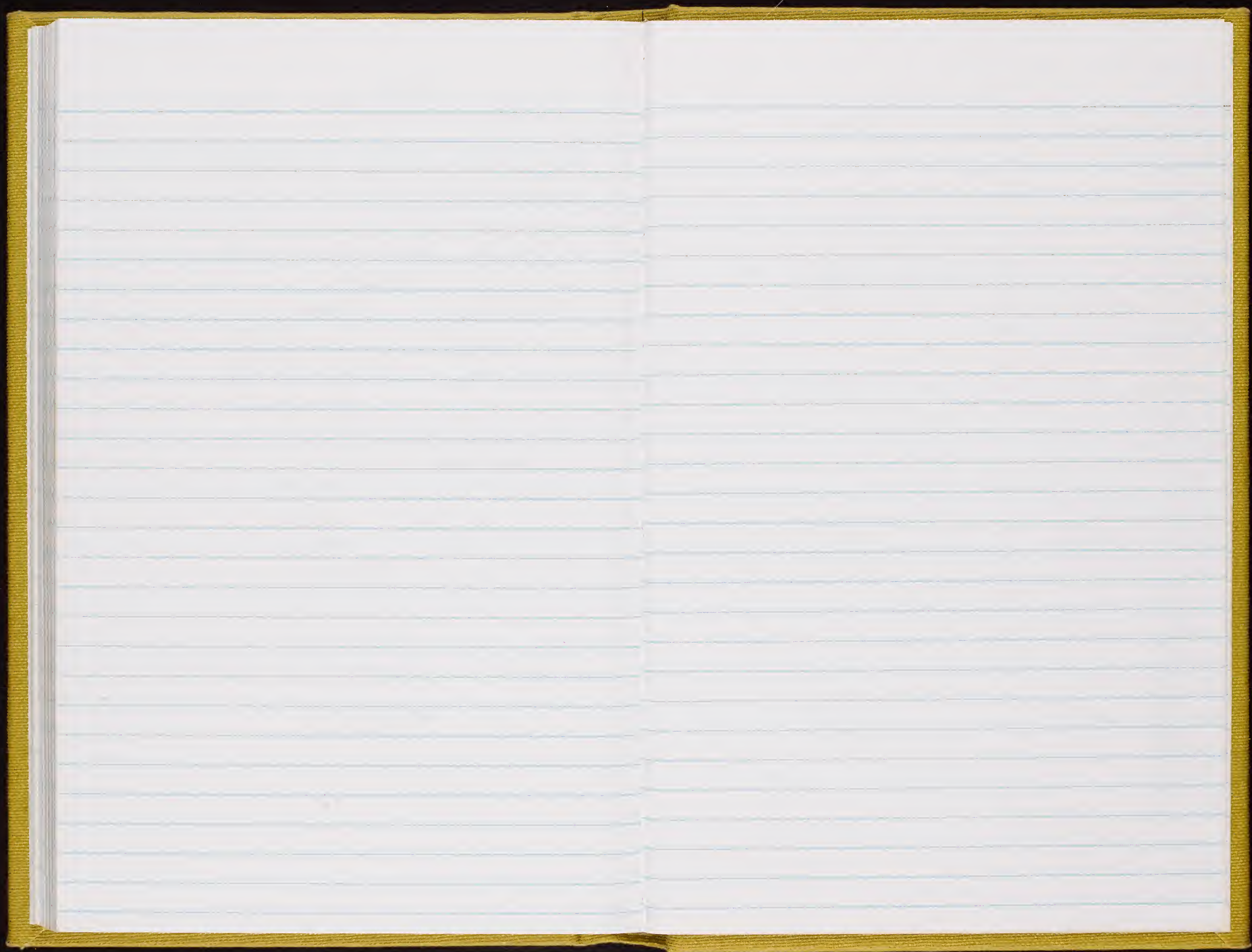
wt: 18.0

tail: 60.0

Notes: photos 5-6 disk 8

F&P-5







# Photos

Disk	Date	Photos	Gender	Location	Band #
1	14 June 2001	1-4	♂	NJ cheesecake	1361 27254
"	"	5-7	♀	"	1361 27255
"	"	8	♂	"	1361 27256
2	"	1	♂	"	1361 27256
"	"	2-4	♂	"	1361 27257
2	15 June 2001	5-6	♀	"	1361 27258
2	18 June 2001	7	♂	NJ GSNWR	1361 27259
3	"	1	♂	"	1361 27259
"	"	2-4	♂	"	1361 27260
4	19 June 2001	1-2	♂	NJ GSNWR	1361 27262
"	"	3-4	♂	"	1361 27263
"	"	5-6	♂	"	1361 27264
"	"	7-8	JUV	"	1361 27265
"	"	9-10	♀	"	1361 27266
4	21 June 2001	11-12	♂	NJ meadow	1361 27269
5	21 June 2001	1-2	♀	"	1361 27270
"	"	3-4	♂	"	1361 27271
"	"	5-6	♂	"	<del>27272</del> 001
"	"	7-8	♂	"	<del>27273</del> 002
"	"	9-10	♀	"	<del>27274</del> 003
6	22 June 2001	1	♂	NJ GSNWR	<del>27275</del> 004
5	22 June 2001	11-12	♂	"	<del>27276</del> 005
6	"	2-3	♂	"	<del>27277</del> 006
6	"	4-5	♀	"	<del>27278</del> 007
7	26 June 2001	1-2	♂	De/wB	1361 27272
"	"	3-4	♀	De/wB	1361 27273
"	"	5-6	♀	De/BH	1361 27274
"	"	7	♂	De/BH	1361 27275







Edinburg, PA

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814 398 4787

Gail / Bonny  
814 734 2946

Dir - 79 to 66 N (L) Lakeside Dr  
1st (L) to (R) Washington Dr  
#205 #303

N. NJ.

Rick Radis 908 788 9676  
peat farms near Sparta (Hyper Humus)  
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Russ

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22 May - Del - 80  
24 del 450  
PA 880  
NJ 1335

290 - Del  
235 Del 62/y  
1420 PA - NJ  
400 - Del



Edinboro,

Gene M  
814

Gail / Bo  
814

Dir - 74  
1st (L)  
# 5

N. NJ.

Rick

peat farm  
isotri

the head of river

Russ

~~7~~  
(H) 3  
(W) 2

522 061 285  
1550 0551  
230 004







